

FIG. 1

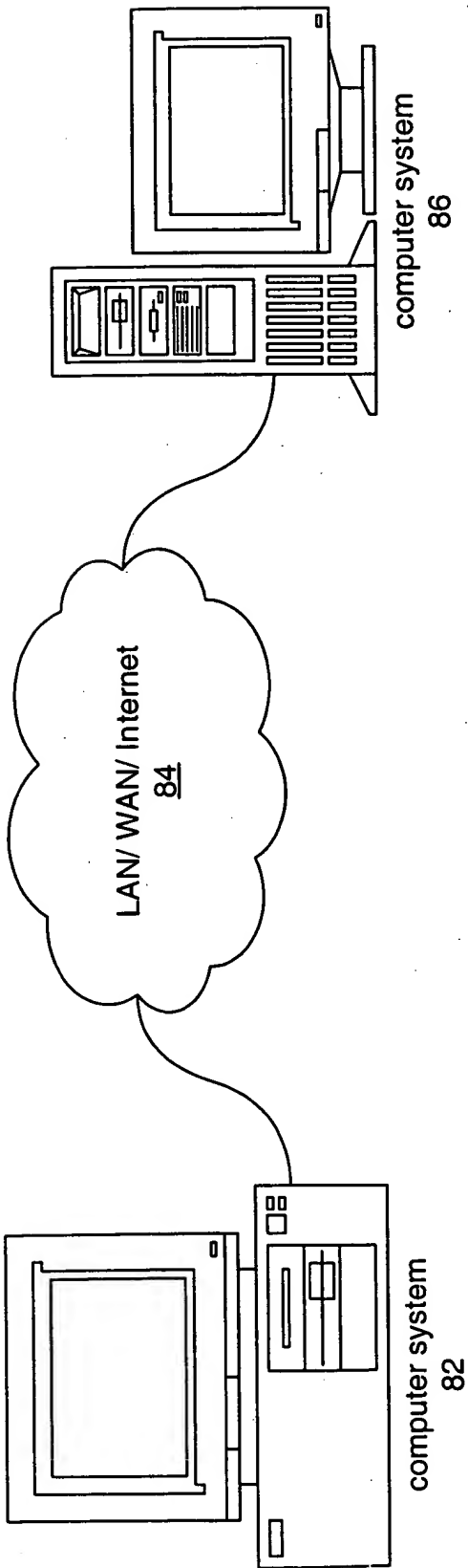


FIG. 1



FIG. 2A

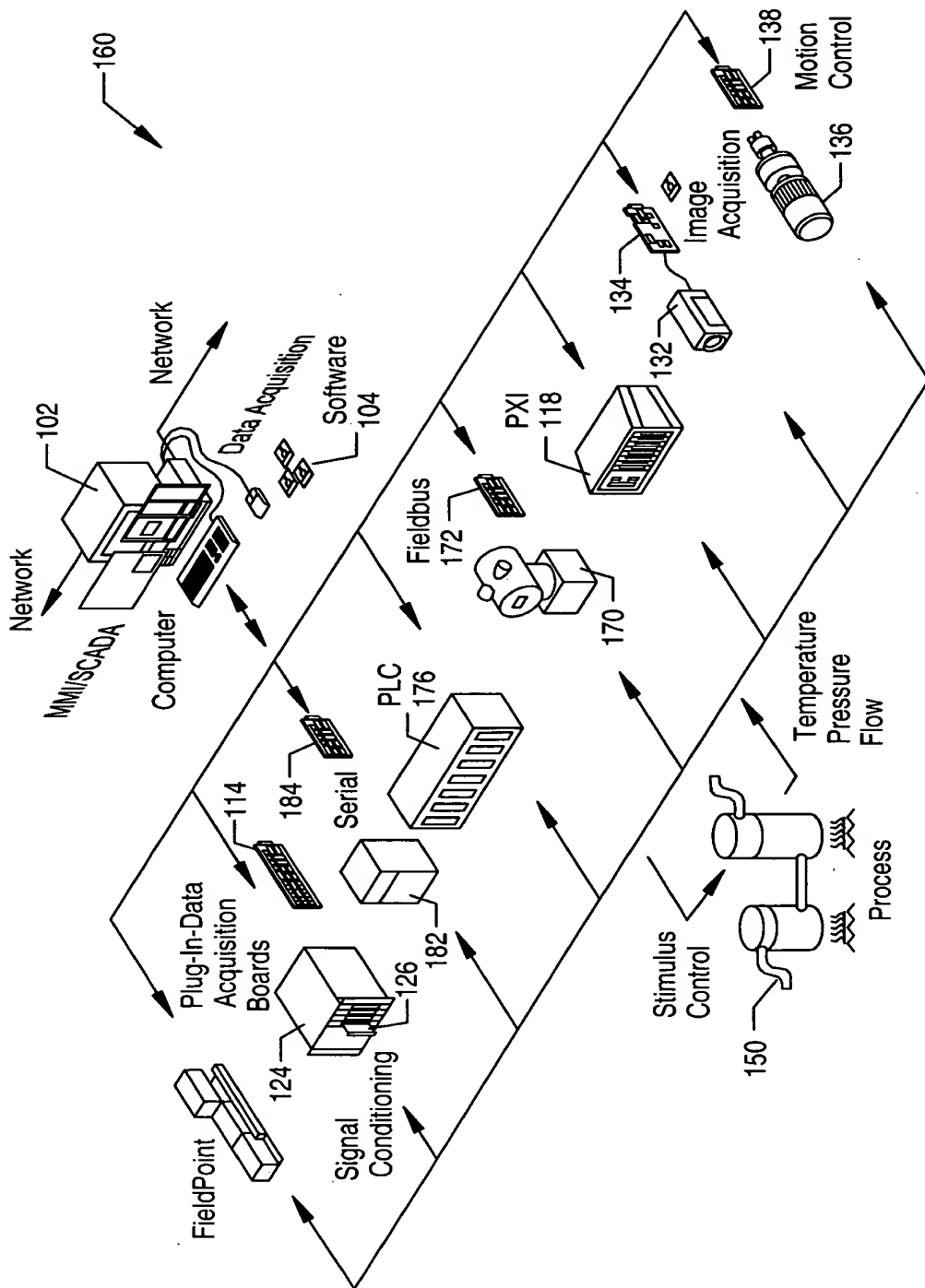


FIG. 2B

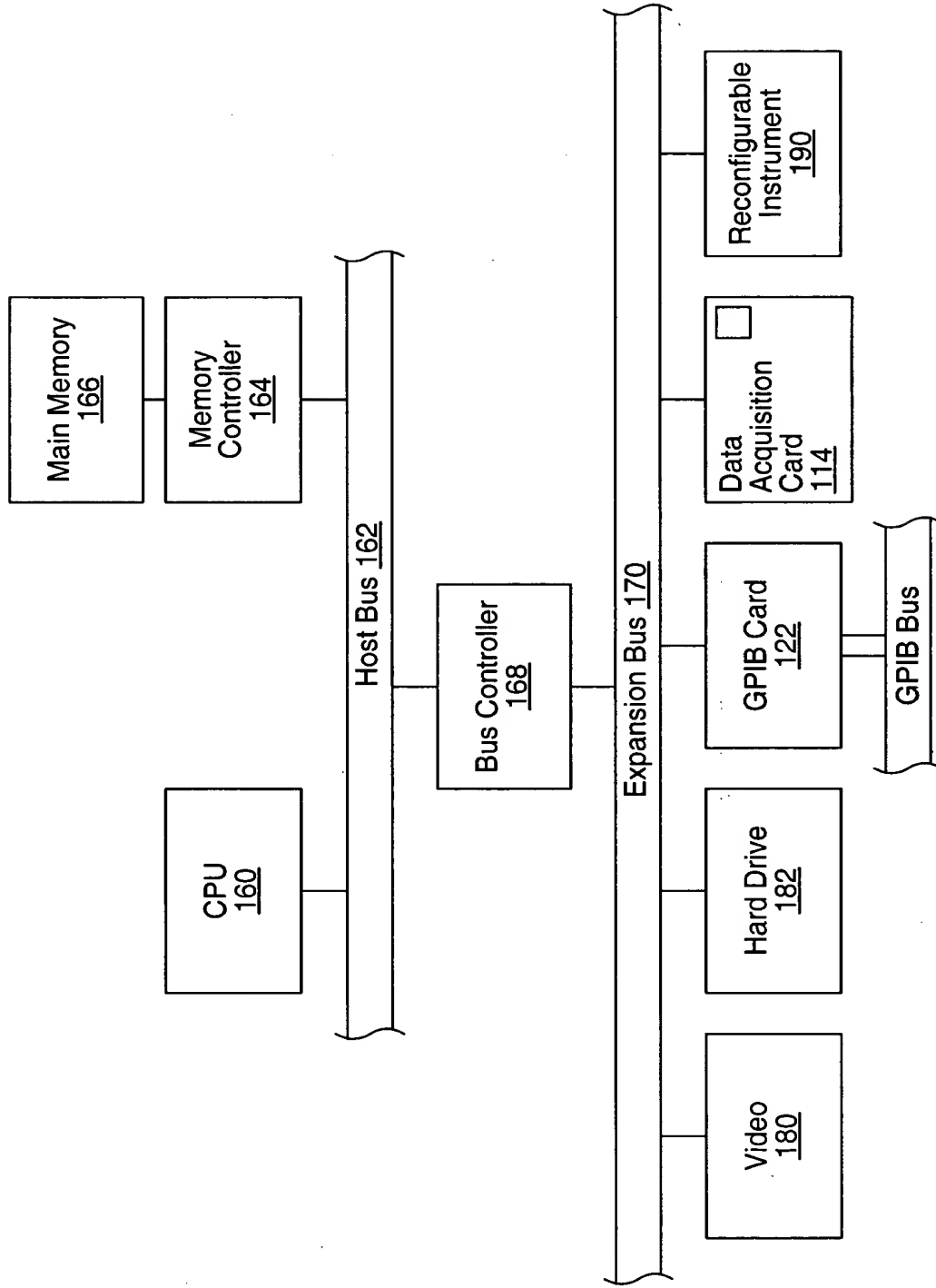


FIG. 3

Developer creates a graphical program generation (GPG) program, wherein the GPG program is operable to generate a plurality of graphical programs, based on received information

200

Specify program information, e.g., in response to user input, wherein the program information specifies desired functionality to be implemented in a graphical program

204

execute graphical program generation (GPG) program

206

GPG program receives information specifying functionality for a graphical program (or graphical program portion)

208

GPG program programmatically generates a graphical program (or graphical program portion) to implement the specified functionality

210

FIG. 4

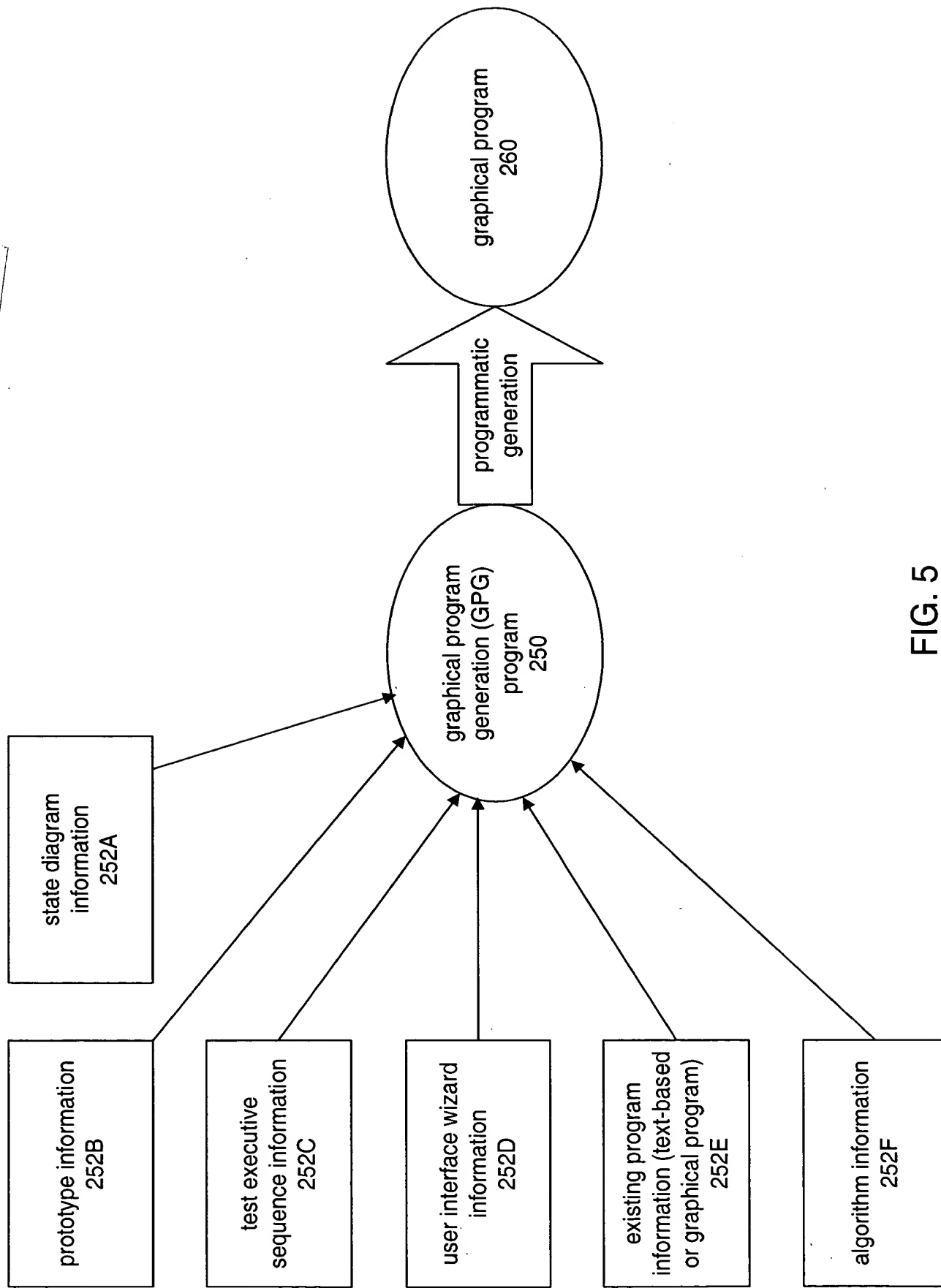


FIG. 5

Display one or more graphical user interface (GUI) input panels, wherein the GUI input panels comprise information useable in guiding a user in creation of a program

300



Receive user input via the one or more GUI input panels, wherein the user input specifies desired program functionality

302



Programmatically generate a graphical program (or graphical program portion) to implement the specified desired functionality

304

FIG. 6

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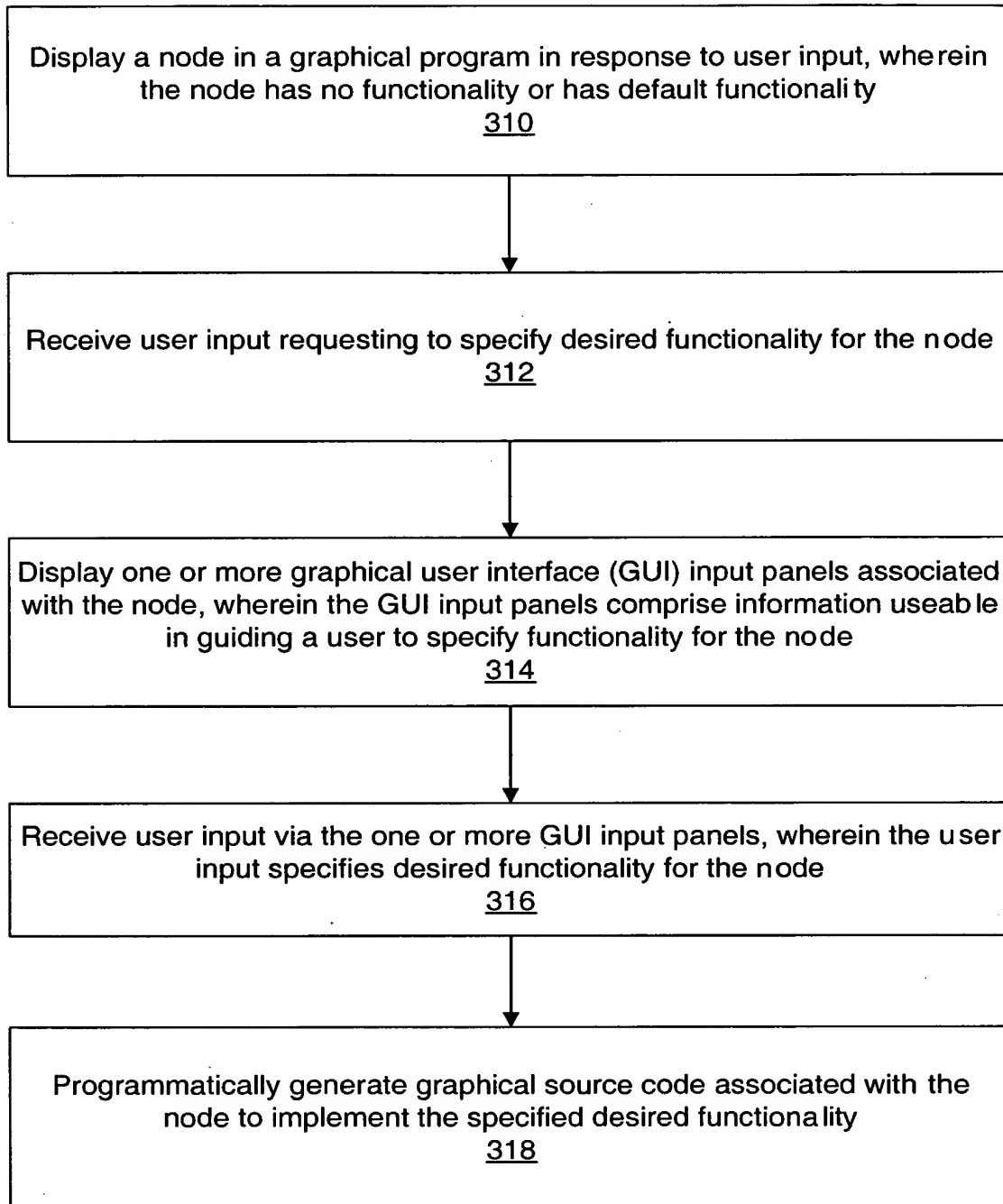


FIG. 7



T00230" 6E298860

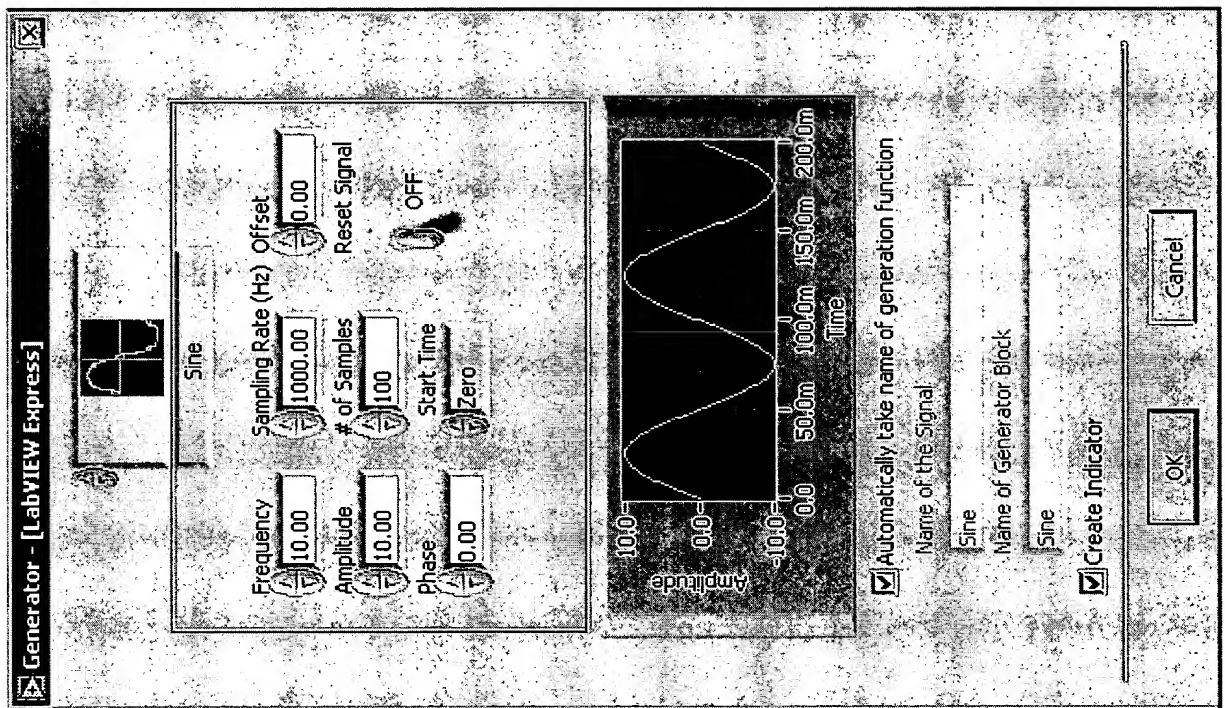


FIG. 8

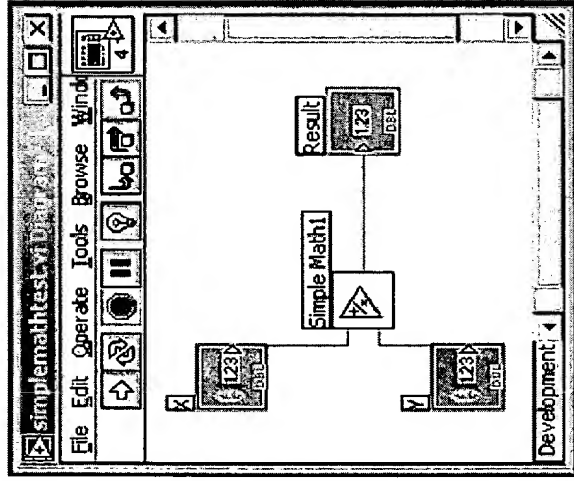


FIG. 9

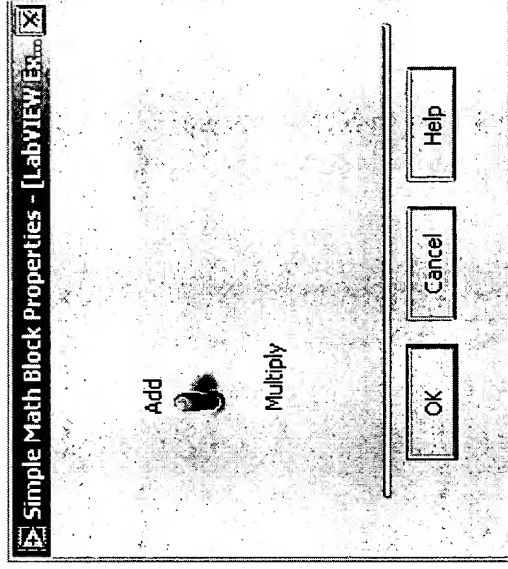


FIG. 10

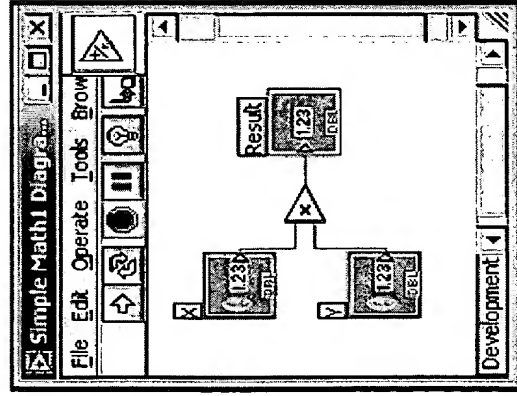


FIG. 11

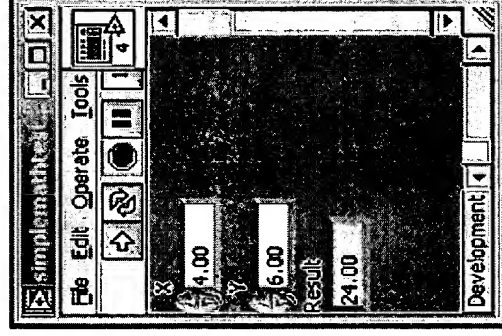


FIG. 12

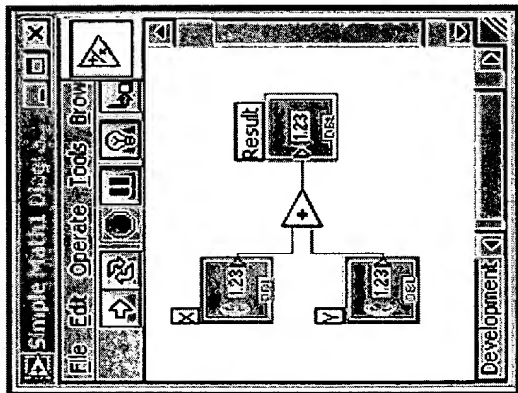


FIG. 13

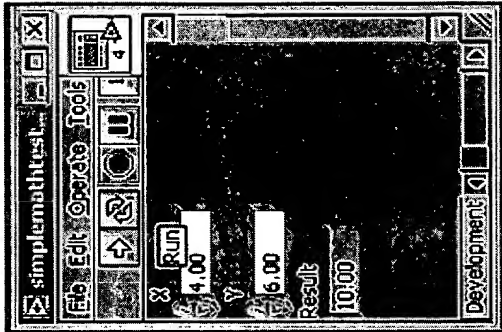


FIG. 14

100290" 6E298860

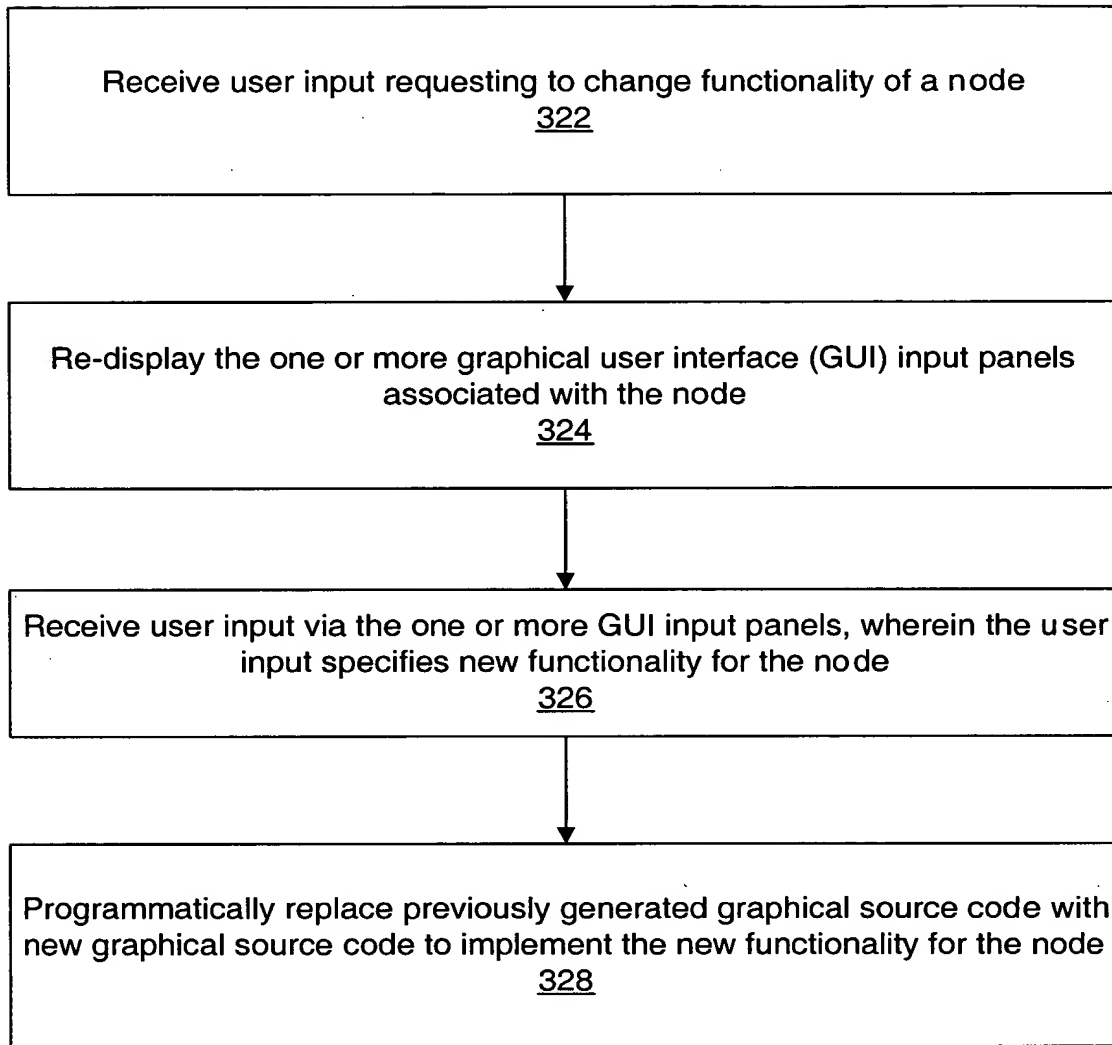


FIG. 15

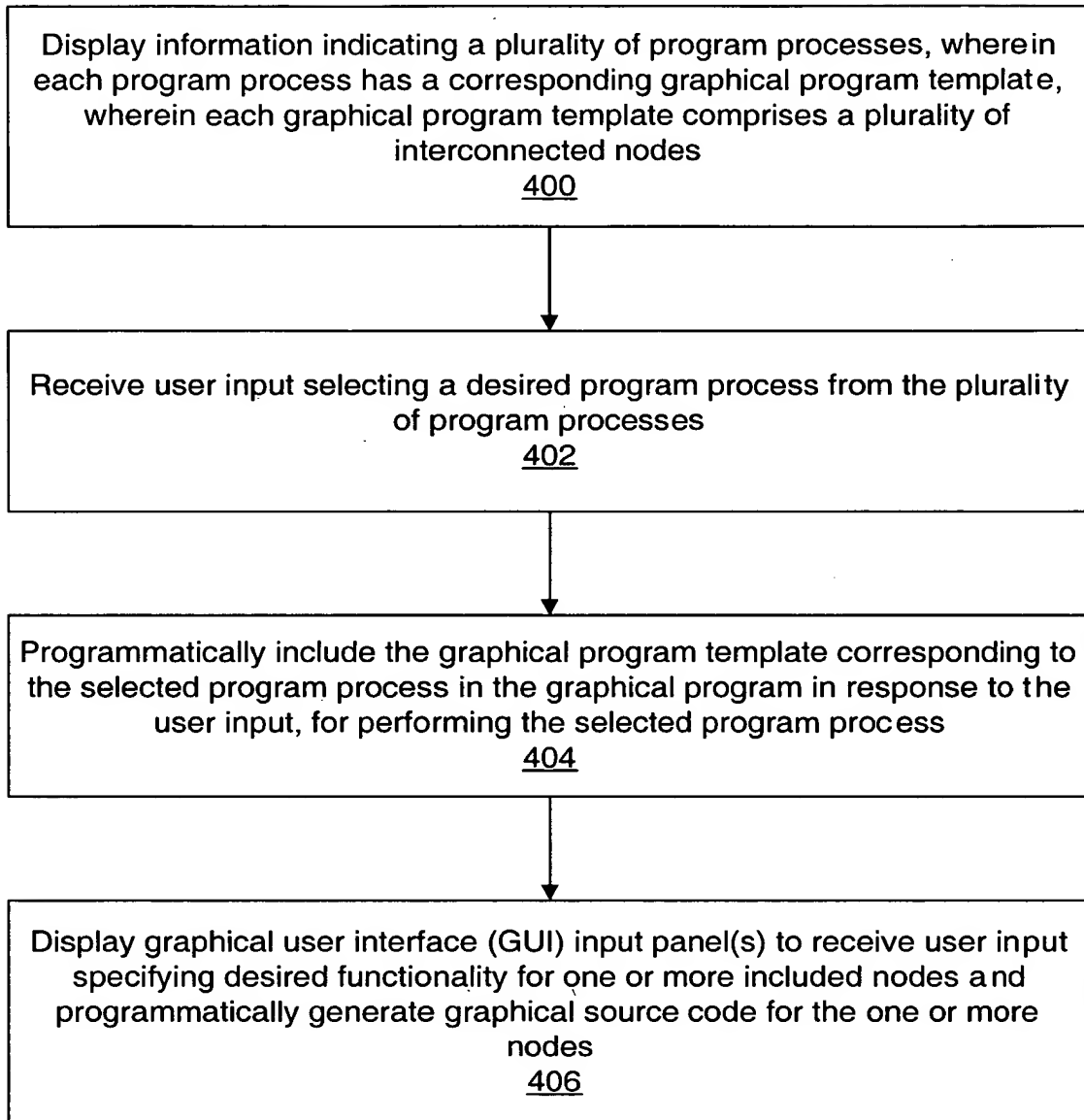


FIG. 16

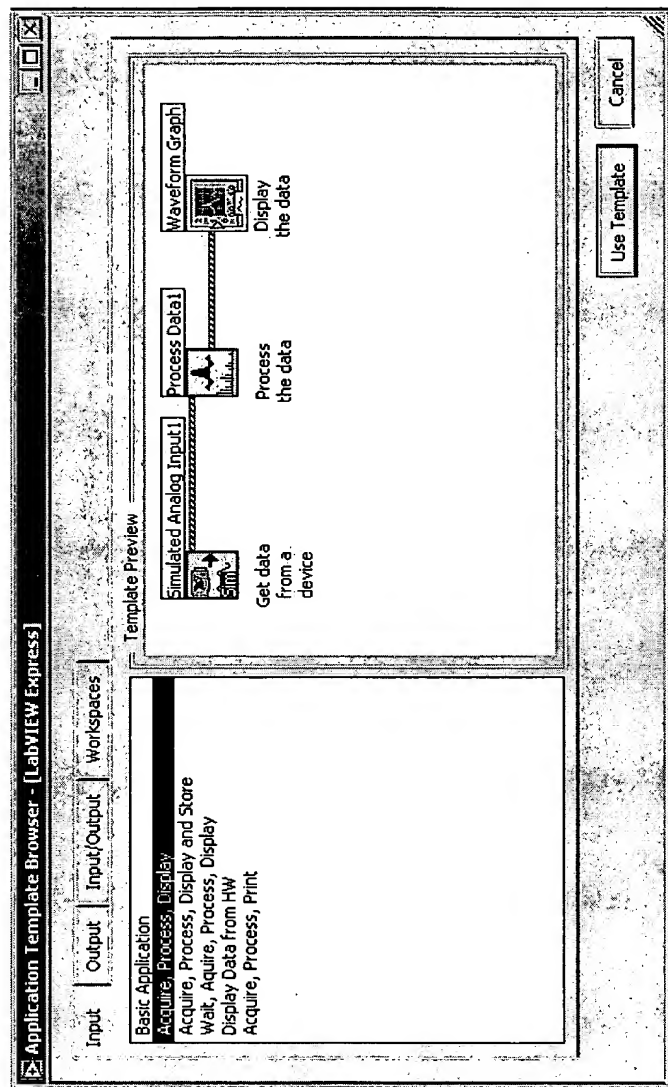


FIG. 17

1002910" 5223860

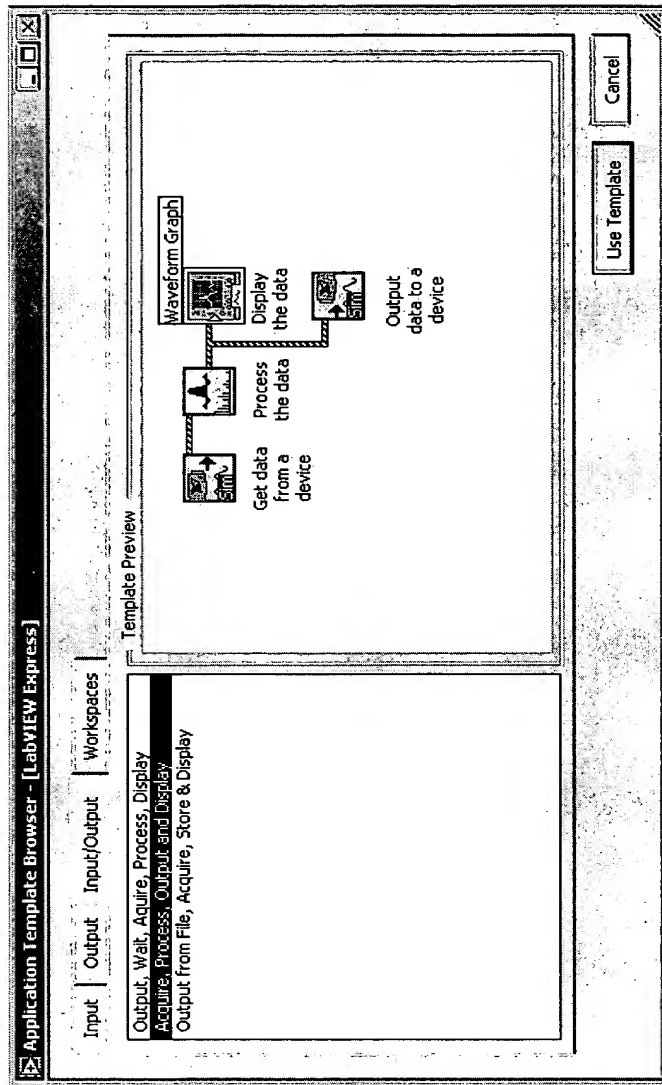


FIG. 18

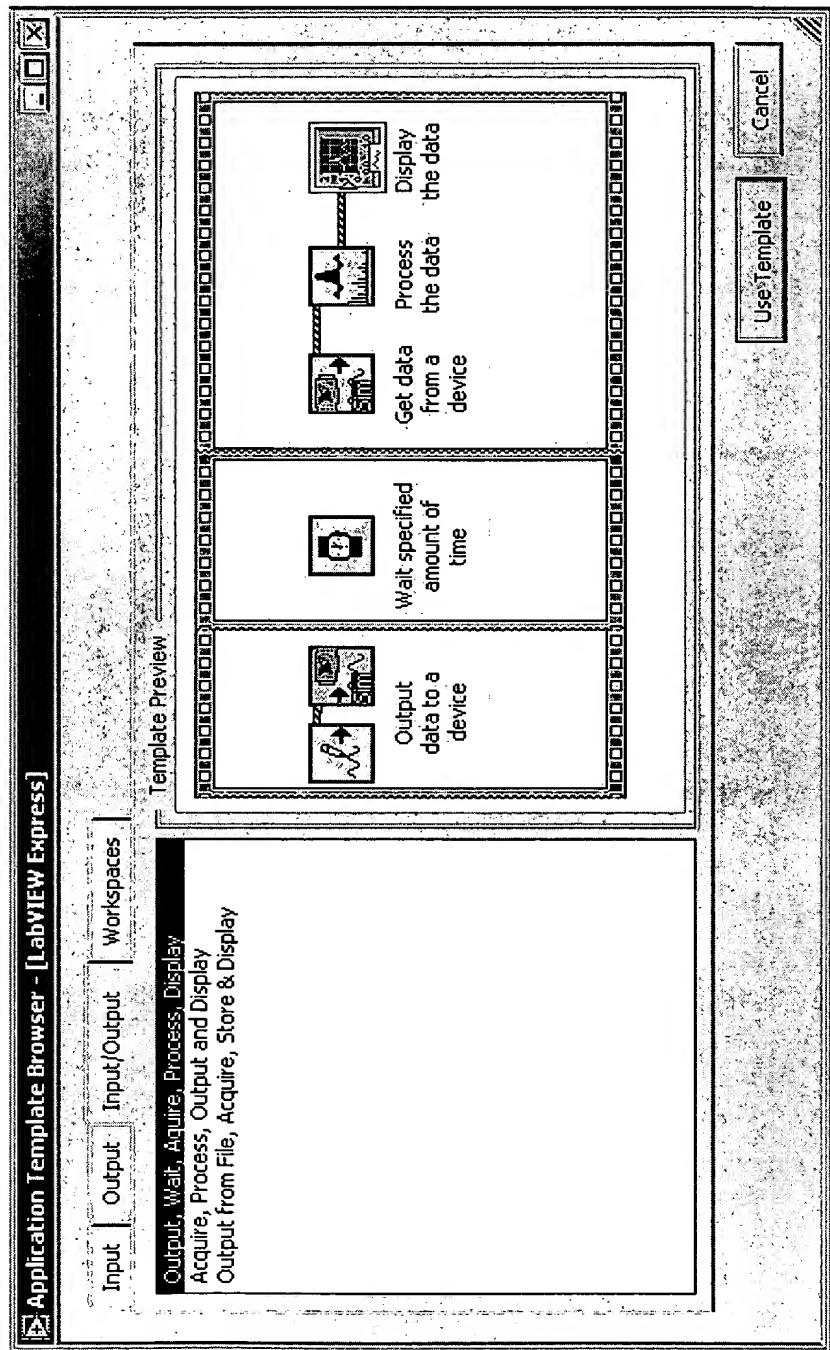


FIG. 19



100290-6E29860

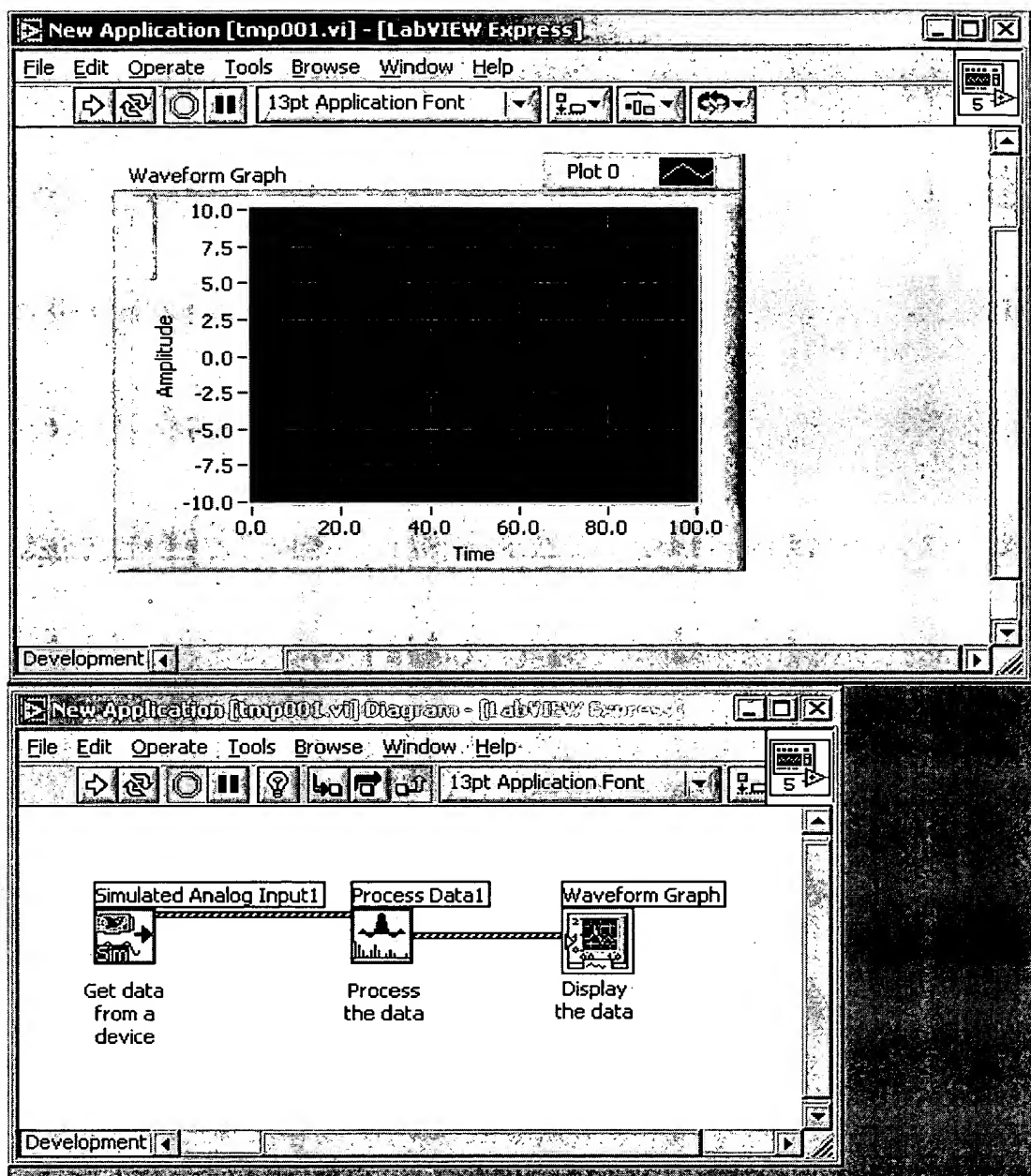


FIG. 20

100250" 629860

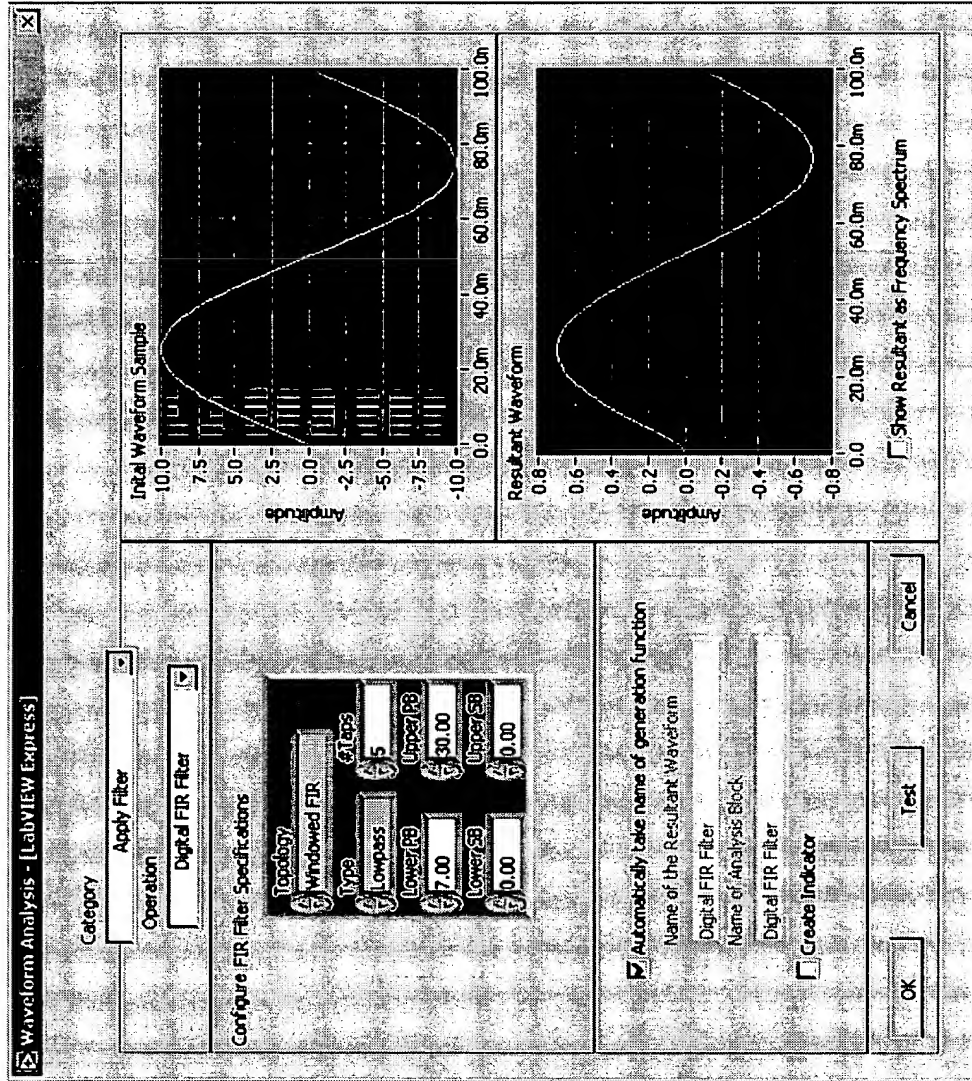


FIG. 21

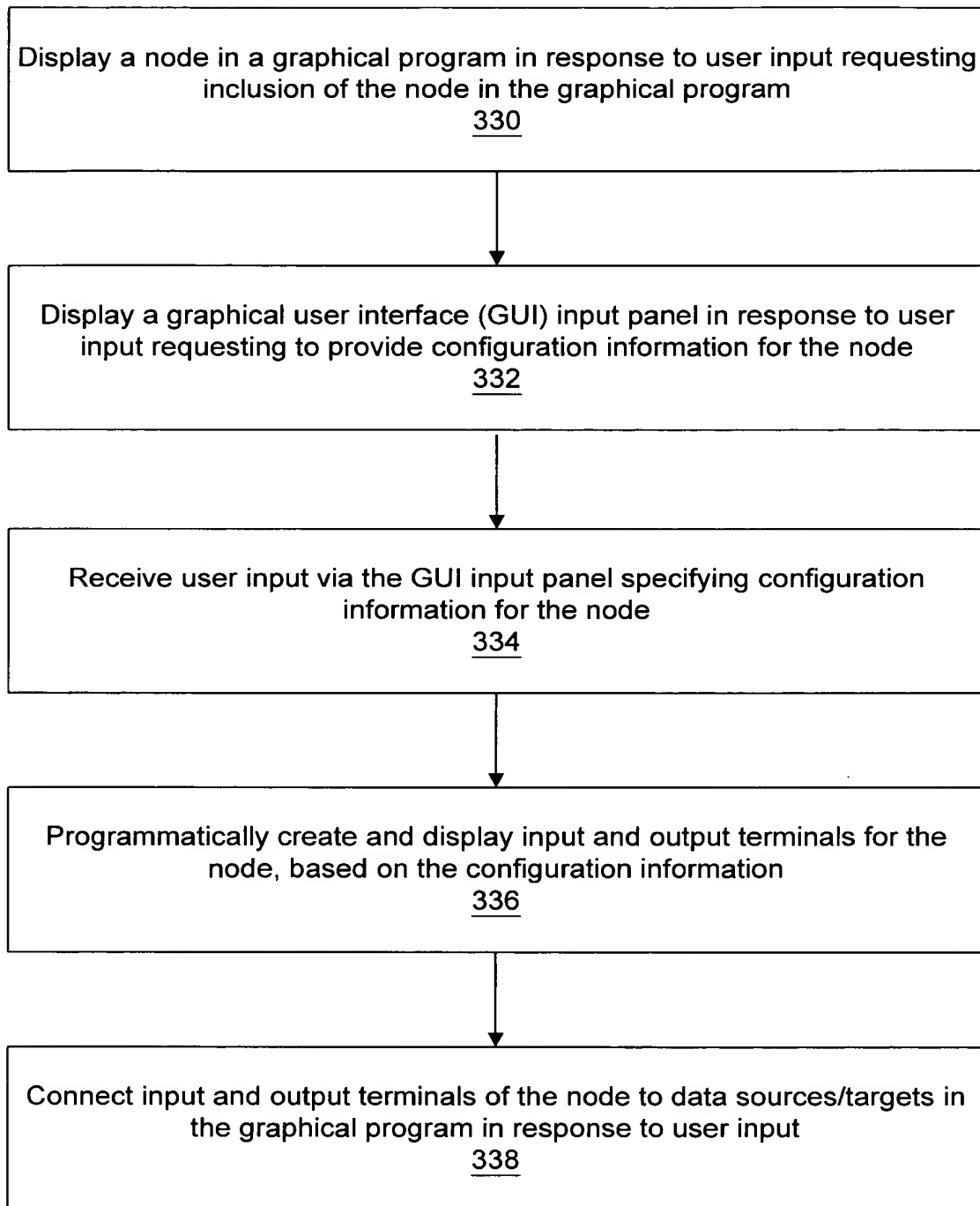


FIG. 22

FIG. 23

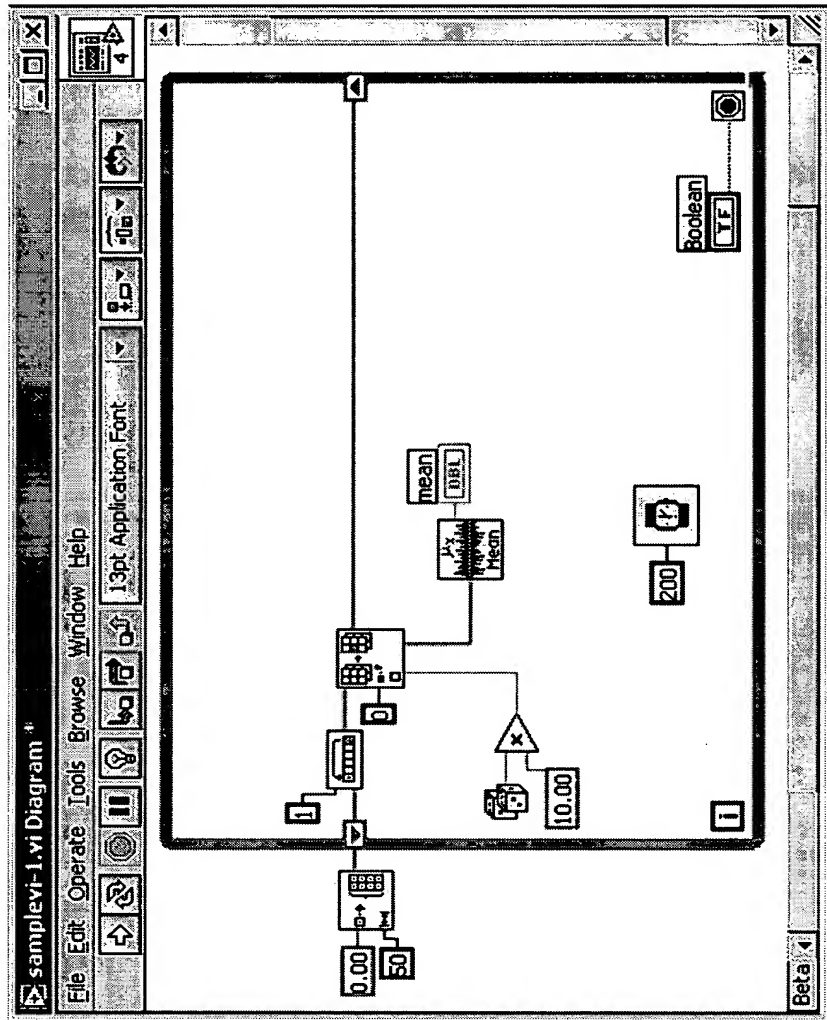


FIG. 23  
(PRIOR ART)

100290" 6E298860

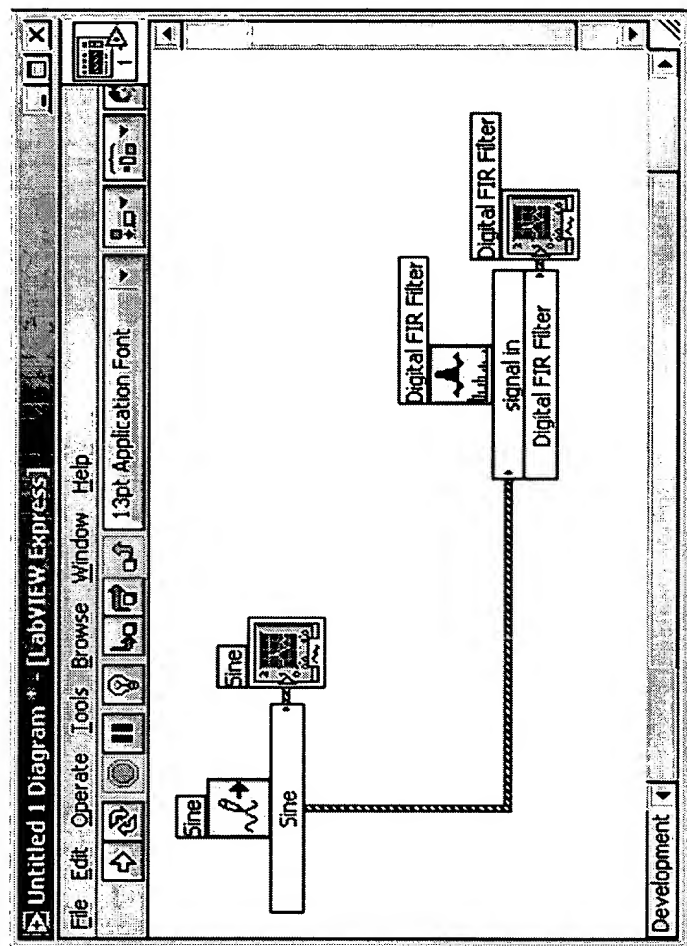


FIG. 24

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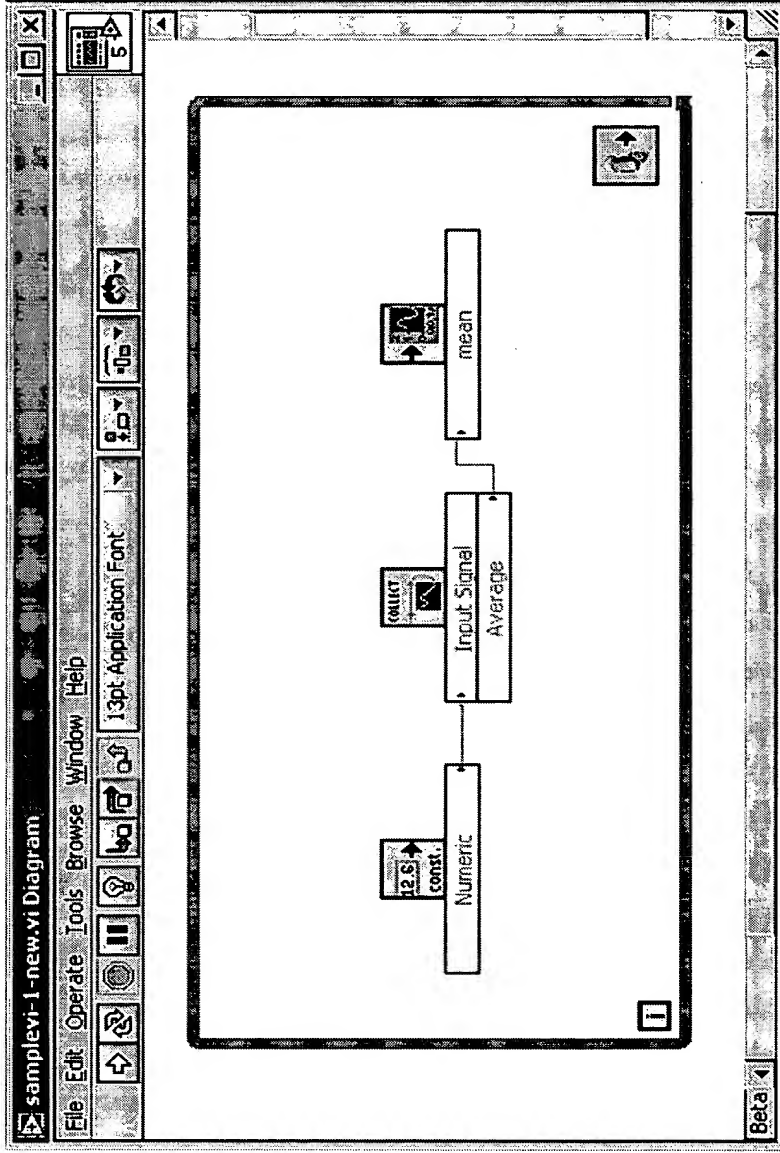


FIG. 25

Display a node in a graphical program in response to user input requesting inclusion of the node in the graphical program

350

Display a graphical user interface (GUI) input panel in response to user input requesting to provide configuration information for the node

352

Receive user input via the GUI input panel specifying configuration information for the node, wherein the user input includes user input specifying an alias for at least one input terminal or output terminal of the node

354

For each input terminal or output terminal for which an alias was specified, display the alias in the graphical program, wherein the aliases visually indicate the corresponding input terminals or output terminals of the node such that the input terminals or output terminals are identifiable for connection to terminals of other nodes in the graphical program

356

FIG. 26

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FIG. 27



Collector Properties [Debug] C:\vme\lvr.exe [Debug] [X]

Collector

Collection Mode  
Sliding Block

Size Of Collection  
100

☒ Automatically take name of collector function

Name of the Collection  
Sliding Block

Name of Collector Block  
Sliding Block

☐ Create Indicator

OK Cancel Help

FIG. 28

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"6E298860"

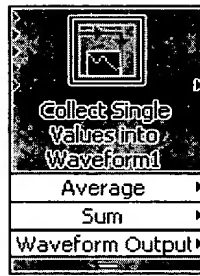


FIG. 29

100290" 6E29B860

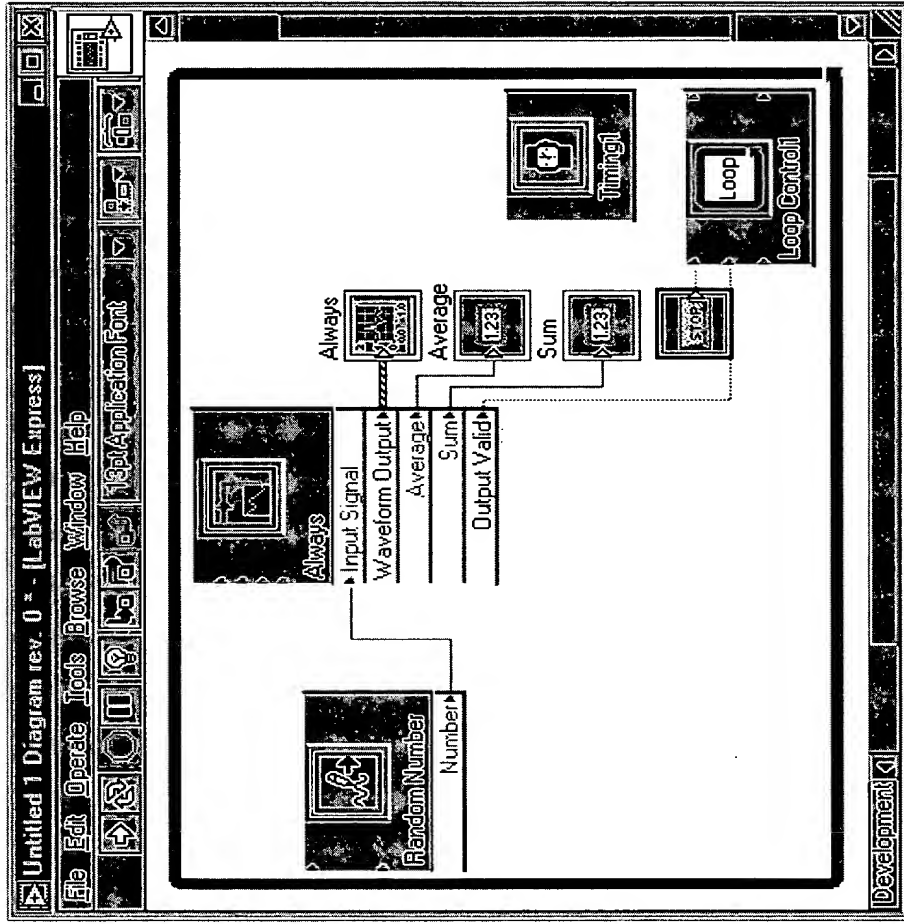


FIG. 30

FIG. 30

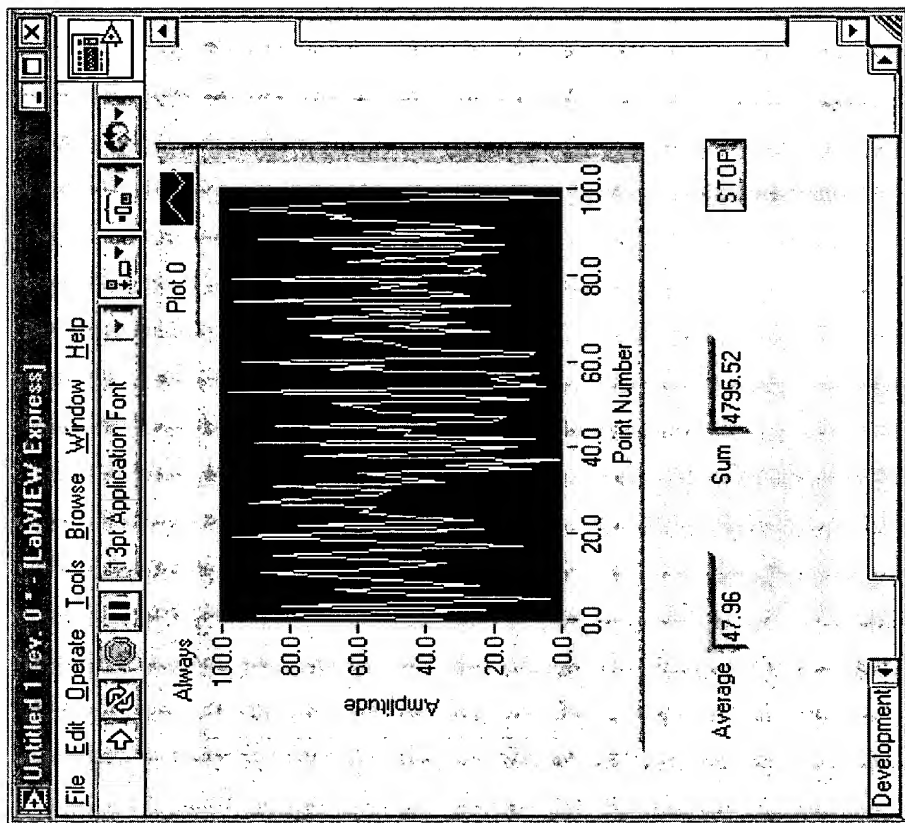


FIG. 31

100290" 6E298360

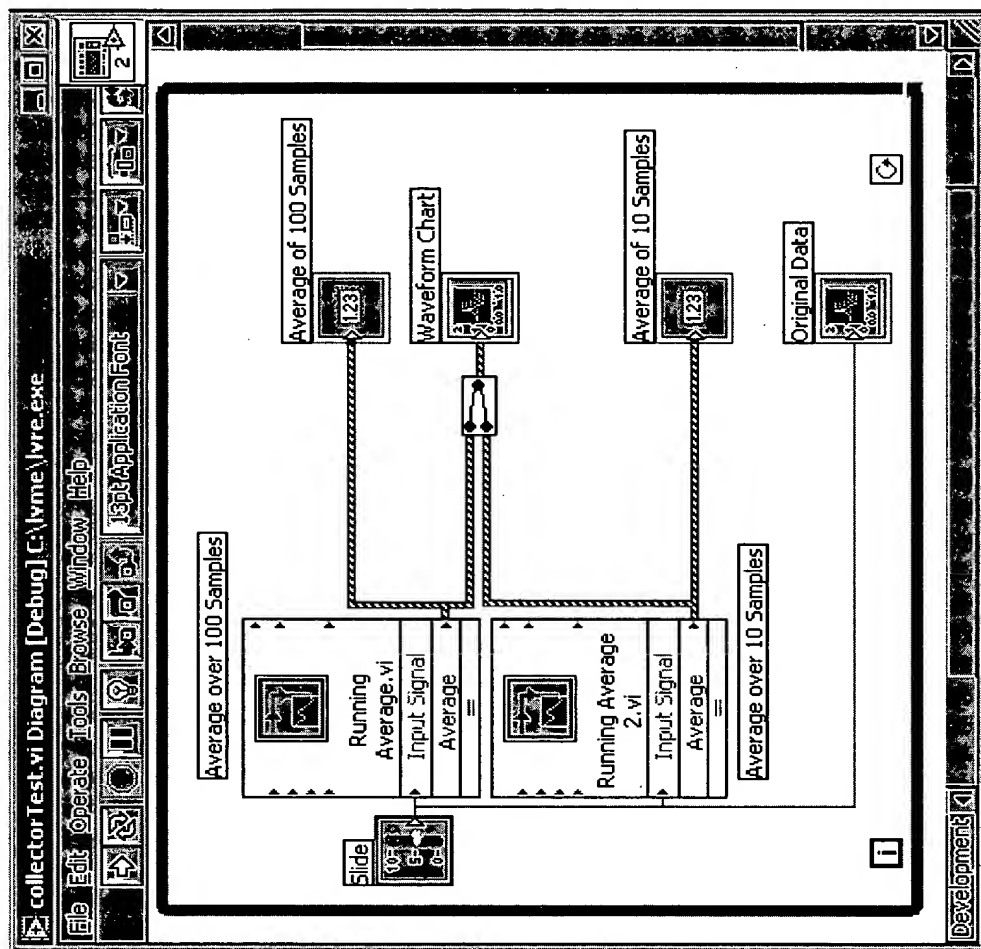


FIG. 32

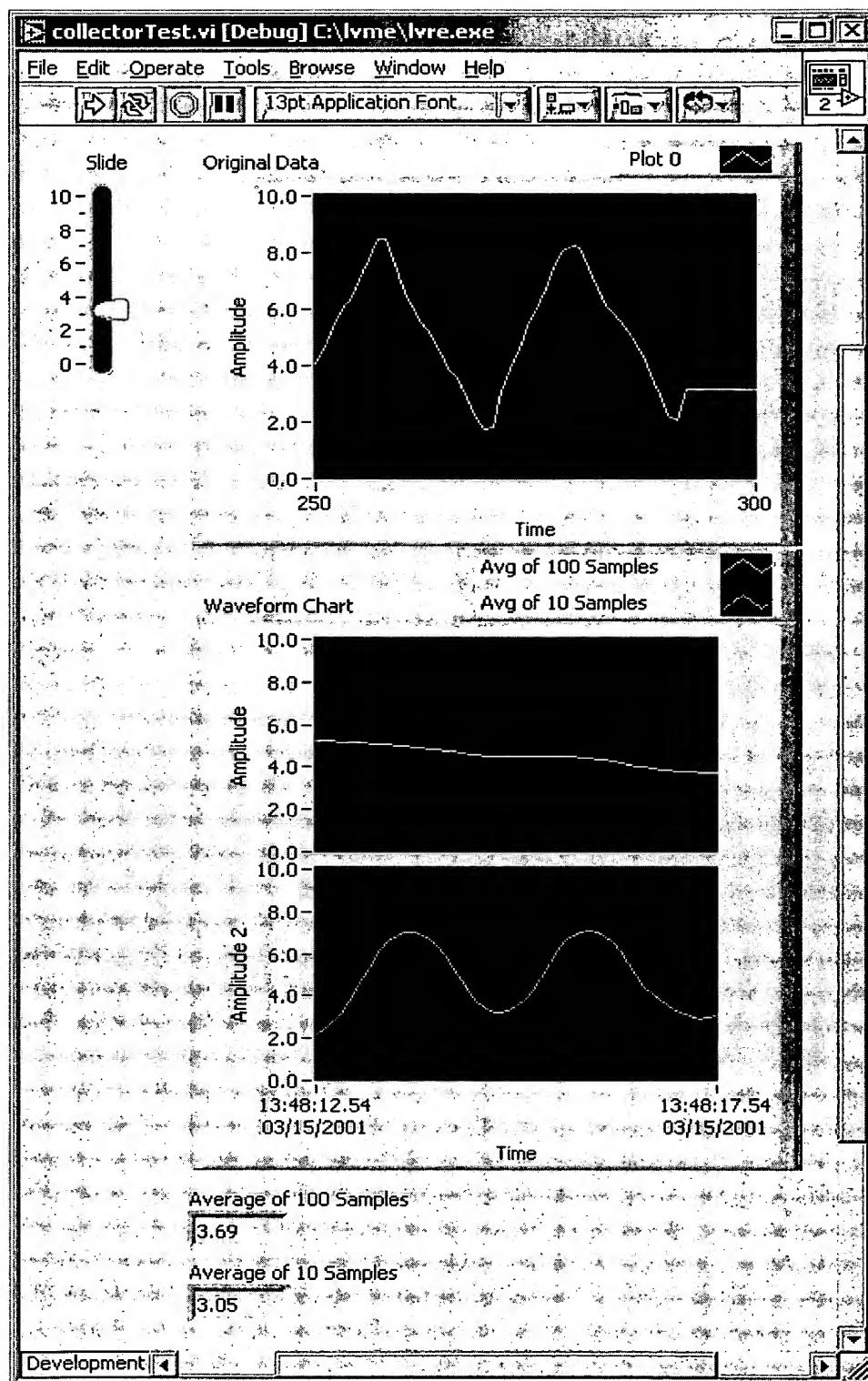
[illegible]

FIG. 33

100290" 6298860

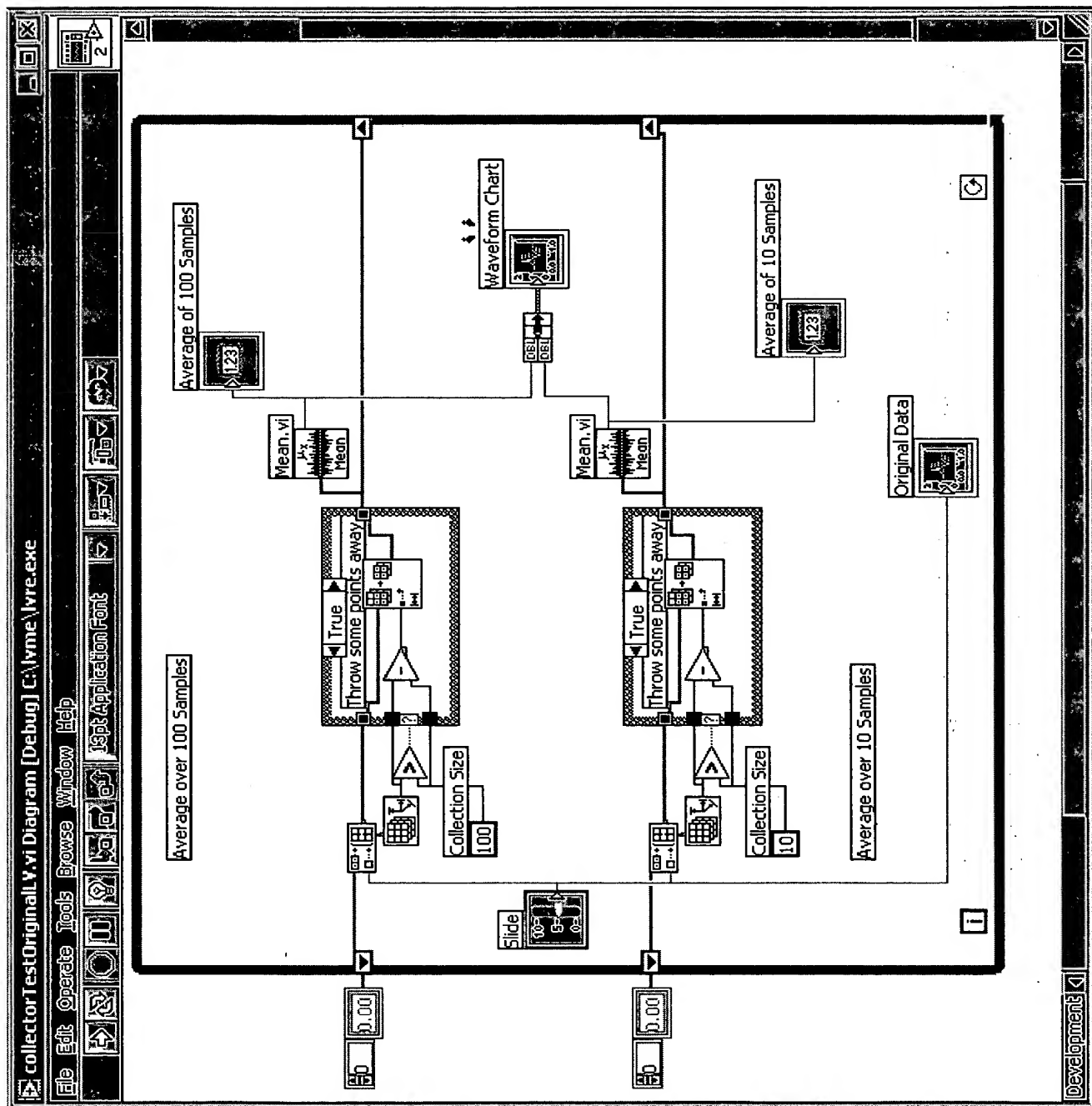


FIG. 34  
(PRIOR ART)